

FIG. 1

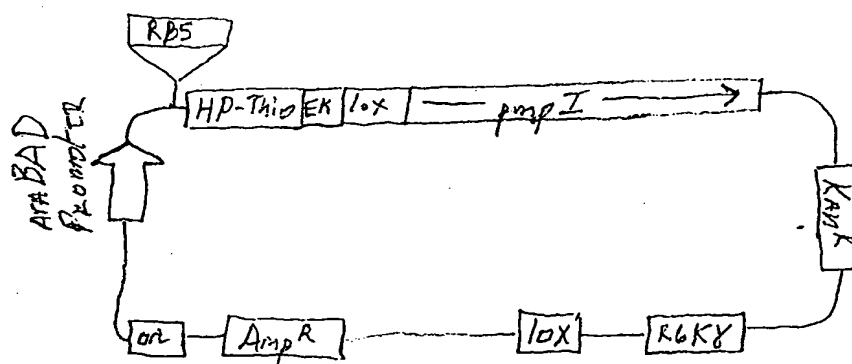


FIG. 2

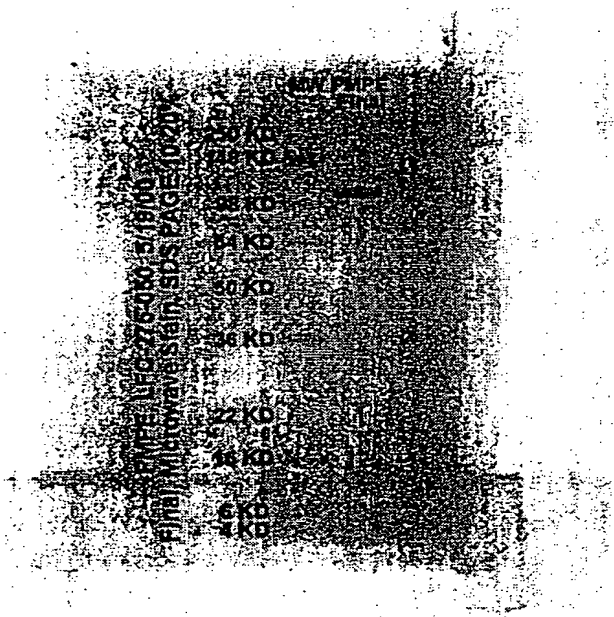


FIG. 3

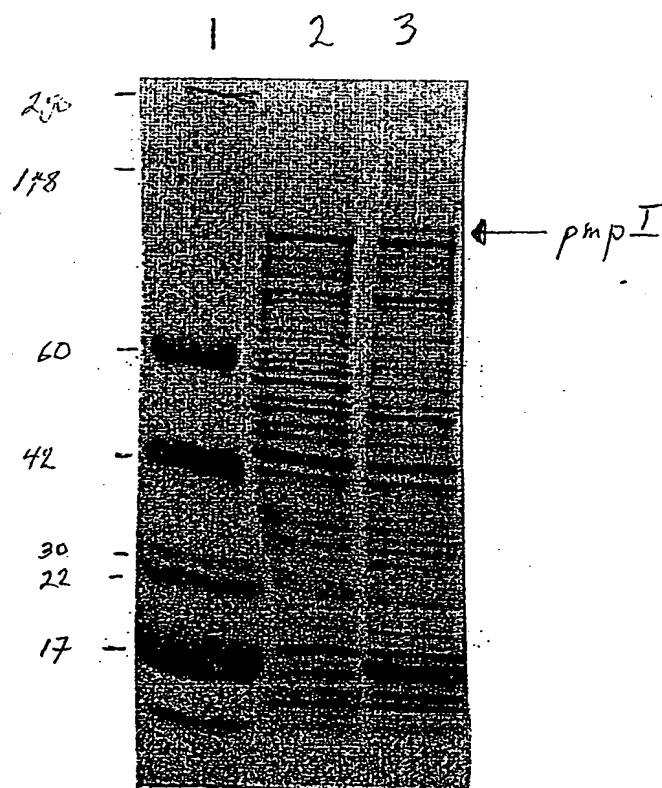


FIG. 4

atg	aaa	aaa	gcg	ttt	ttc	ttt	ttc	ctt	att	gga	aac	tcc	cta	tca	gga	48
Met	Lys	Lys	Ala	Phe	Phe	Phe	Phe	Leu	Ile	Gly	Asn	Ser	Leu	Ser	Gly	
1				5					10						15	
cta	gct	aga	gag	gtt	cct	tct	aga	atc	ttt	ctt	atg	ccc	aac	tca	gtt	96
Leu	Ala	Arg	Glu	Val	Pro	Ser	Arg	Ile	Phe	Leu	Met	Pro	Asn	Ser	Val	
			20					25						30		
cca	gat	cct	acg	aaa	gag	tcg	cta	tca	aat	aaa	att	agt	ttg	aca	gga	144
Pro	Asp	Pro	Thr	Lys	Glu	Ser	Leu	Ser	Asn	Lys	Ile	Ser	Leu	Thr	Gly	
		35					40					45				
gac	act	cac	aat	ctc	act	aac	tgc	tat	ctc	gat	aac	cta	cgc	tac	ata	192
Asp	Thr	His	Asn	Leu	Thr	Asn	Cys	Tyr	Leu	Asp	Asn	Leu	Arg	Tyr	Ile	
	50					55					60					
ctg	gct	att	cta	caa	aaa	act	ccc	aat	gaa	gga	gct	gct	gtc	aca	ata	240
Leu	Ala	Ile	Leu	Gln	Lys	Thr	Pro	Asn	Glu	Gly	Ala	Ala	Val	Thr	Ile	
65				70					75					80		
aca	gat	tac	cta	agc	ttt	ttt	gat	aca	caa	aaa	gaa	ggt	att	tat	ttt	288
Thr	Asp	Tyr	Leu	Ser	Phe	Phe	Asp	Thr	Gln	Lys	Glu	Gly	Ile	Tyr	Phe	
				85				90						95		
gca	aaa	aat	ctc	acc	cct	gaa	agt	ggt	ggt	gcg	att	ggt	tat	gcg	agt	336
Ala	Lys	Asn	Leu	Thr	Pro	Glu	Ser	Gly	Gly	Ala	Ile	Gly	Tyr	Ala	Ser	
			100					105					110			
ccc	aat	tct	cct	acc	gtg	gag	att	cgt	gat	aca	ata	ggt	cct	gta	atc	384
Pro	Asn	Ser	Pro	Thr	Val	Glu	Ile	Arg	Asp	Thr	Ile	Gly	Pro	Val	Ile	
		115				120						125				
ttt	gaa	aat	aat	act	tgt	tgc	aga	cca	ttt	aca	tcg	agt	aat	cct	aat	432
Phe	Glu	Asn	Asn	Thr	Cys	Cys	Arg	Pro	Phe	Thr	Ser	Ser	Asn	Pro	Asn	
	130					135						140				
gca	gct	gtt	aat	aaa	ata	aga	gaa	ggc	gga	gcc	att	cat	gct	caa	aat	480
Ala	Ala	Val	Asn	Lys	Ile	Arg	Glu	Gly	Gly	Ala	Ile	His	Ala	Gln	Asn	
145				150					155					160		
ctt	tac	ata	aat	cat	aat	cat	gat	gtg	gtc	gga	ttt	atg	aag	aac	ttt	528
Leu	Tyr	Ile	Asn	His	Asn	His	Asp	Val	Val	Gly	Phe	Met	Lys	Asn	Phe	
			165					170						175		
tct	tat	gtc	cga	gga	gga	gcc	att	agt	acc	gct	aat	acc	ttt	gtt	gtg	576
Ser	Tyr	Val	Arg	Gly	Gly	Ala	Ile	Ser	Thr	Ala	Asn	Thr	Phe	Val	Val	
			180					185					190			
agc	gag	aat	cag	tct	tgt	ttt	ctc	ttt	atg	gac	aac	atc	tgt	att	caa	624
Ser	Glu	Asn	Gln	Ser	Cys	Phe	Leu	Phe	Met	Asp	Asn	Ile	Cys	Ile	Gln	
		195				200						205				
act	aat	aca	gca	gga	aaa	ggt	ggc	gct	atc	tat	gct	gga	acg	agc	aat	672
Thr	Asn	Thr	Ala	Gly	Lys	Gly	Gly	Ala	Ile	Tyr	Ala	Gly	Thr	Ser	Asn	
	210					215					220					

FIG. 5A

tct	ttt	gag	agt	aat	aac	tgc	gat	ctc	ttc	ttt	atc	aat	aac	gcc	tgt	720
Ser	Phe	Glu	Ser	Asn	Asn	Cys	Asp	Leu	Phe	Phe	Ile	Asn	Asn	Ala	Cys	
225					230					235					240	
tgt	gca	gga	gga	gcg	atc	ttc	tcc	cct	atc	tgt	tct	cta	aca	gga	aat	768
Cys	Ala	Gly	Gly	Ala	Ile	Phe	Ser	Pro	Ile	Cys	Ser	Leu	Thr	Gly	Asn	
				245					250						255	
cgt	ggt	aac	atc	gtt	ttc	tat	aac	aat	cgc	tgc	ttt	aaa	aat	gta	gaa	816
Arg	Gly	Asn	Ile	Val	Phe	Tyr	Asn	Asn	Arg	Cys	Phe	Lys	Asn	Val	Glu	
			260					265					270			
aca	gct	tct	tca	gaa	gct	tct	gat	gga	gga	gca	att	aaa	gta	act	act	864
Thr	Ala	Ser	Ser	Glu	Ala	Ser	Asp	Gly	Gly	Ala	Ile	Lys	Val	Thr	Thr	
			275				280						285			
cgc	cta	gat	gtt	aca	ggc	aat	cgt	ggt	agg	atc	ttt	ttt	agt	gac	aat	912
Arg	Leu	Asp	Val	Thr	Gly	Asn	Arg	Gly	Arg	Ile	Phe	Phe	Ser	Asp	Asn	
	290					295					300					
atc	aca	aaa	aat	tat	ggc	gga	gct	att	tac	gct	cct	gta	gtt	acc	cta	960
Ile	Thr	Lys	Asn	Tyr	Gly	Gly	Ala	Ile	Tyr	Ala	Pro	Val	Val	Thr	Leu	
305					310					315					320	
gtg	gat	aat	ggc	cct	acc	tac	ttt	ata	aac	aat	atc	gcc	aat	aat	aag	1008
Val	Asp	Asn	Gly	Pro	Thr	Tyr	Phe	Ile	Asn	Asn	Ile	Ala	Asn	Asn	Lys	
				325					330					335		
ggg	ggc	gct	atc	tat	ata	gac	gga	acc	agc	aac	tcc	aaa	att	tct	gcc	1056
Gly	Gly	Ala	Ile	Tyr	Ile	Asp	Gly	Thr	Ser	Asn	Ser	Lys	Ile	Ser	Ala	
			340					345					350			
gac	cgc	cat	gct	att	att	ttt	aat	gaa	aat	att	gtg	act	aat	gta	act	1104
Asp	Arg	His	Ala	Ile	Ile	Phe	Asn	Glu	Asn	Ile	Val	Thr	Asn	Val	Thr	
			355				360					365				
aat	gca	aat	ggt	acc	agt	acg	tca	gct	aat	cct	cct	aga	aga	aat	gca	1152
Asn	Ala	Asn	Gly	Thr	Ser	Thr	Ser	Ala	Asn	Pro	Pro	Arg	Arg	Asn	Ala	
			370				375					380				
ata	aca	gta	gca	agc	tcc	tct	ggt	gaa	att	cta	tta	gga	gca	ggg	agt	1200
Ile	Thr	Val	Ala	Ser	Ser	Ser	Gly	Glu	Ile	Leu	Leu	Gly	Ala	Gly	Ser	
385					390					395					400	
agc	caa	aat	tta	att	ttt	tat	gat	cct	att	gaa	gtt	agc	aat	gca	ggg	1248
Ser	Gln	Asn	Leu	Ile	Phe	Tyr	Asp	Pro	Ile	Glu	Val	Ser	Asn	Ala	Gly	
				405					410					415		
gtc	tct	gtg	tcc	ttc	aat	aag	gaa	gct	gat	caa	aca	ggc	tct	gta	gta	1296
Val	Ser	Val	Ser	Phe	Asn	Lys	Glu	Ala	Asp	Gln	Thr	Gly	Ser	Val	Val	
			420					425					430			
ttt	tca	gga	gct	act	gtt	aat	tct	gca	gat	ttt	cat	caa	cgc	aat	tta	1344
Phe	Ser	Gly	Ala	Thr	Val	Asn	Ser	Ala	Asp	Phe	His	Gln	Arg	Asn	Leu	
			435				440					445				

FIG. 5B

caa	aca	aaa	aca	cct	gca	ccc	ctt	act	ctc	agt	aat	ggt	ttt	cta	tgt	1392
Gln	Thr	Lys	Thr	Pro	Ala	Pro	Leu	Thr	Leu	Ser	Asn	Gly	Phe	Leu	Cys	
450						455					460					
atc	gaa	gat	cat	gct	cag	ctt	aca	gtg	aat	cga	ttc	aca	caa	act	ggg	1440
Ile	Glu	Asp	His	Ala	Gln	Leu	Thr	Val	Asn	Arg	Phe	Thr	Gln	Thr	Gly	
465					470				475						480	
ggt	gtt	gtt	tct	ctt	ggg	aat	gga	gca	gtt	ctg	agt	tgc	tat	aaa	aat	1488
Gly	Val	Val	Ser	Leu	Gly	Asn	Gly	Ala	Val	Leu	Ser	Cys	Tyr	Lys	Asn	
				485					490						495	
ggt	gca	gga	aat	tct	gct	agc	aat	gcc	tct	ata	aca	ctg	aag	cat	att	1536
Gly	Ala	Gly	Asn	Ser	Ala	Ser	Asn	Ala	Ser	Ile	Thr	Leu	Lys	His	Ile	
			500					505						510		
gga	ttg	aat	ctt	tct	tcc	att	ctg	aaa	agt	ggt	gct	gag	att	cct	tta	1584
Gly	Leu	Asn	Leu	Ser	Ser	Ile	Leu	Lys	Ser	Gly	Ala	Glu	Ile	Pro	Leu	
		515					520					525				
ttg	tgg	gta	gag	cct	aca	aat	aac	agc	aat	aac	tat	aca	gca	gat	act	1632
Leu	Trp	Val	Glu	Pro	Thr	Asn	Asn	Ser	Asn	Asn	Tyr	Thr	Ala	Asp	Thr	
	530					535					540					
gca	gct	acc	ttt	tca	tta	agt	gat	gta	aaa	ctc	tca	ctc	att	gat	gac	1680
Ala	Ala	Thr	Phe	Ser	Leu	Ser	Asp	Val	Lys	Leu	Ser	Leu	Ile	Asp	Asp	
545					550					555					560	
tat	ggg	aat	tct	cct	tat	gaa	tcc	aca	gat	cta	acc	cat	gct	ctg	tca	1728
Tyr	Gly	Asn	Ser	Pro	Tyr	Glu	Ser	Thr	Asp	Leu	Thr	His	Ala	Leu	Ser	
				565					570					575		
tca	cag	cct	atg	cta	tct	att	tct	gag	gct	agt	gat	aac	cag	cta	aga	1776
Ser	Gln	Pro	Met	Leu	Ser	Ile	Ser	Glu	Ala	Ser	Asp	Asn	Gln	Leu	Arg	
			580					585					590			
tct	gat	gat	atg	gat	ttt	tcg	gga	cta	aat	gtc	cct	cat	tat	gga	tgg	1824
Ser	Asp	Asp	Met	Asp	Phe	Ser	Gly	Leu	Asn	Val	Pro	His	Tyr	Gly	Trp	
		595					600					605				
caa	gga	ctt	tgg	act	tgg	ggc	tgg	gca	aaa	act	caa	gat	cca	gaa	cca	1872
Gln	Gly	Leu	Trp	Thr	Trp	Gly	Trp	Ala	Lys	Thr	Gln	Asp	Pro	Glu	Pro	
	610					615					620					
gca	tct	tca	gca	aca	atc	aca	gat	cca	caa	aaa	gcc	aat	aga	ttc	cat	1920
Ala	Ser	Ser	Ala	Thr	Ile	Thr	Asp	Pro	Gln	Lys	Ala	Asn	Arg	Phe	His	
625					630					635					640	
aga	acc	tta	tta	ctg	act	tgg	ctt	cct	gct	ggg	tat	gtt	cct	agc	ccg	1968
Arg	Thr	Leu	Leu	Leu	Thr	Trp	Leu	Pro	Ala	Gly	Tyr	Val	Pro	Ser	Pro	
				645					650					655		
aaa	cac	aga	agt	ccc	ctc	ata	gcg	aat	acc	tta	tgg	ggg	aat	atg	ctg	2016
Lys	His	Arg	Ser	Pro	Leu	Ile	Ala	Asn	Thr	Leu	Trp	Gly	Asn	Met	Leu	
			660					665						670		

FIG. 5C

ctt gca aca gaa agc tta aaa aat agt gca gaa ctg aca cct agt gat	2064
Leu Ala Thr Glu Ser Leu Lys Asn Ser Ala Glu Leu Thr Pro Ser Asp	
675 680 685	
cat cct ttc tgg gga att aca gga gga gga cta ggc atg atg gtt tac	2112
His Pro Phe Trp Gly Ile Thr Gly Gly Gly Leu Gly Met Met Val Tyr	
690 695 700	
caa gat cct cga gaa aat cat cct gga ttc cat atg cgc tct tcc gga	2160
Gln Asp Pro Arg Glu Asn His Pro Gly Phe His Met Arg Ser Ser Gly	
705 710 715 720	
tac tct gcg ggg atg ata gca ggg cag aca cac acc ttc tca ttg aaa	2208
Tyr Ser Ala Gly Met Ile Ala Gly Gln Thr His Thr Phe Ser Leu Lys	
725 730 735	
ttc agt cag acc tac acc aaa ctc aat gag cgt tac gca aaa aac aac	2256
Phe Ser Gln Thr Tyr Thr Lys Leu Asn Glu Arg Tyr Ala Lys Asn Asn	
740 745 750	
gta tct tct aaa aat tac tca tgc caa gga gaa atg ctc ttc tca ttg	2304
Val Ser Ser Lys Asn Tyr Ser Cys Gln Gly Glu Met Leu Phe Ser Leu	
755 760 765	
caa gaa ggt ttc ttg ctg act aaa tta gtt ggg ctt tac agc tat gga	2352
Gln Glu Gly Phe Leu Leu Thr Lys Leu Val Gly Leu Tyr Ser Tyr Gly	
770 775 780	
gac cat aac tgt cac cat ttc tat acc caa gga gaa aat cta aca tct	2400
Asp His Asn Cys His His Phe Tyr Thr Gln Gly Glu Asn Leu Thr Ser	
785 790 795 800	
caa ggg acg ttc cgt agt caa acg atg gga ggt gct gtt ttt ttt gat	2448
Gln Gly Thr Phe Arg Ser Gln Thr Met Gly Gly Ala Val Phe Phe Asp	
805 810 815	
ctc cct atg aaa ccc ttt gga tca acg cat ata ctg aca gct ccc ttt	2496
Leu Pro Met Lys Pro Phe Gly Ser Thr His Ile Leu Thr Ala Pro Phe	
820 825 830	
tta ggt gct ctt ggt att tat tct agc ctg tct cac ttt act gag gtg	2544
Leu Gly Ala Leu Gly Ile Tyr Ser Ser Leu Ser His Phe Thr Glu Val	
835 840 845	
gga gcc tat ccg cga agc ttt tct aca aag act cct ttg atc aat gtc	2592
Gly Ala Tyr Pro Arg Ser Phe Ser Thr Lys Thr Pro Leu Ile Asn Val	
850 855 860	
cta gtc cct att gga gtt aaa ggt agc ttt atg aat gct acc caa aga	2640
Leu Val Pro Ile Gly Val Lys Gly Ser Phe Met Asn Ala Thr Gln Arg	
865 870 875 880	
cct caa gcc tgg act gta gaa ttg gca tac caa ccc gtt ctg tat aga	2688
Pro Gln Ala Trp Thr Val Glu Leu Ala Tyr Gln Pro Val Leu Tyr Arg	
885 890 895	

FIG. 5D



caa gaa cca ggg atc gcg acc cag ctc cta gcc agt aag ggt att tgg	2736
Gln Glu Pro Gly Ile Ala Thr Gln Leu Leu Ala Ser Lys Gly Ile Trp	
900 905 910	
ttt ggt agt gga agc ccc tca tcg cgt cat gcc atg tcc tat aaa atc	2784
Phe Gly Ser Gly Ser Pro Ser Ser Arg His Ala Met Ser Tyr Lys Ile	
915 920 925	
tca cag caa aca caa cct ttg agt tgg tta act ctc cat ttc cag tat	2832
Ser Gln Gln Thr Gln Pro Leu Ser Trp Leu Thr Leu His Phe Gln Tyr	
930 935 940	
cat gga ttc tac tcc tct tca acc ttc tgt aat tat ctc aat ggg gaa	2880
His Gly Phe Tyr Ser Ser Ser Thr Phe Cys Asn Tyr Leu Asn Gly Glu	
945 950 955 960	
att gct ctg cga ttc tag	2898
Ile Ala Leu Arg Phe	
965	

FIG. 5E

atg	cga	cct	gat	cat	atg	aac	ttc	tgt	tgt	cta	tgt	gct	gct	att	ttg	48
Met	Arg	Pro	Asp	His	Met	Asn	Phe	Cys	Cys	Leu	Cys	Ala	Ala	Ile	Leu	
1				5					10					15		
tca	tcc	aca	gcg	gtc	ctc	ttt	ggc	cag	gat	ccc	tta	ggt	gaa	acc	gcc	96
Ser	Ser	Thr	Ala	Val	Leu	Phe	Gly	Gln	Asp	Pro	Leu	Gly	Glu	Thr	Ala	
			20				25						30			
ctc	ctc	act	aaa	aat	cct	aat	cat	gtc	gtc	tgt	aca	ttt	ttt	gag	gac	144
Leu	Leu	Thr	Lys	Asn	Pro	Asn	His	Val	Val	Cys	Thr	Phe	Phe	Glu	Asp	
		35					40					45				
tgt	acc	atg	gag	agc	ctc	ttt	cct	gct	ctt	tgt	gct	cat	gca	tca	caa	192
Cys	Thr	Met	Glu	Ser	Leu	Phe	Pro	Ala	Leu	Cys	Ala	His	Ala	Ser	Gln	
	50					55					60					
gac	gat	cct	ttg	tat	gta	ctt	gga	aat	tcc	tac	tgt	tgg	ttc	gta	tct	240
Asp	Asp	Pro	Leu	Tyr	Val	Leu	Gly	Asn	Ser	Tyr	Cys	Trp	Phe	Val	Ser	
65					70					75					80	
aaa	ctc	cat	atc	acg	gac	ccc	aaa	gag	gct	ctt	ttt	aaa	gaa	aaa	gga	288
Lys	Leu	His	Ile	Thr	Asp	Pro	Lys	Glu	Ala	Leu	Phe	Lys	Glu	Lys	Gly	
				85					90					95		
gat	ctt	tcc	att	caa	aac	ttt	cgc	ttc	ctt	tcc	ttc	aca	gat	tgc	tct	336
Asp	Leu	Ser	Ile	Gln	Asn	Phe	Arg	Phe	Leu	Ser	Phe	Thr	Asp	Cys	Ser	
			100					105					110			
tcc	aag	gaa	agc	tct	cct	tct	att	att	cat	caa	aag	aat	ggt	cag	tta	384
Ser	Lys	Glu	Ser	Ser	Pro	Ser	Ile	Ile	His	Gln	Lys	Asn	Gly	Gln	Leu	
		115					120					125				
tcc	ttg	cgc	aat	aat	ggt	agc	atg	agt	ttc	tgt	cga	aat	cat	gct	gaa	432
Ser	Leu	Arg	Asn	Asn	Gly	Ser	Met	Ser	Phe	Cys	Arg	Asn	His	Ala	Glu	
	130					135					140					
ggc	tct	gga	gga	gcc	atc	tct	gcg	gat	gcc	ttt	tct	cta	cag	cac	aac	480
Gly	Ser	Gly	Gly	Ala	Ile	Ser	Ala	Asp	Ala	Phe	Ser	Leu	Gln	His	Asn	
145					150				155						160	
tat	ctt	ttc	aca	gct	ttt	gaa	gag	aat	tct	tct	aaa	gga	aat	ggc	gga	528
Tyr	Leu	Phe	Thr	Ala	Phe	Glu	Glu	Asn	Ser	Ser	Lys	Gly	Asn	Gly	Gly	
				165					170					175		
gcc	att	cag	gct	caa	acc	ttc	tct	tta	tct	aga	aat	gtg	tcg	cct	att	576
Ala	Ile	Gln	Ala	Gln	Thr	Phe	Ser	Leu	Ser	Arg	Asn	Val	Ser	Pro	Ile	
			180					185					190			
tct	ttc	gcc	cgt	aat	cgt	gcg	gat	tta	aat	ggc	ggc	gct	att	tgc	tgt	624
Ser	Phe	Ala	Arg	Asn	Arg	Ala	Asp	Leu	Asn	Gly	Gly	Ala	Ile	Cys	Cys	
		195					200					205				
agt	aat	ctt	att	tgt	tca	ggg	aat	gta	aac	cct	ctc	ttt	ttc	act	gga	672
Ser	Asn	Leu	Ile	Cys	Ser	Gly	Asn	Val	Asn	Pro	Leu	Phe	Phe	Thr	Gly	
		210					215					220				

FIG. 6A

aac tcc gcc acg aat gga ggc gct att tgt tgt atc agc gat cta aac Asn Ser Ala Thr Asn Gly Gly Ala Ile Cys Cys Ile Ser Asp Leu Asn 225 230 235 240	720
acc tca gaa aaa ggc tct ctc tct ctt gct tgt aac caa gaa acg cta Thr Ser Glu Lys Gly Ser Leu Ser Leu Ala Cys Asn Gln Glu Thr Leu 245 250 255	768
ttt gca agc aat tct gct aaa gaa aaa ggc ggg gct att tat gcc aag Phe Ala Ser Asn Ser Ala Lys Glu Lys Gly Gly Ala Ile Tyr Ala Lys 260 265 270	816
cac atg gta ttg cgt tat aac ggt cct gtt tcc ttc att aac aac agc His Met Val Leu Arg Tyr Asn Gly Pro Val Ser Phe Ile Asn Asn Ser 275 280 285	864
gct aaa ata ggt gga gct atc gcc atc cag tcc gga ggg agt ctc tct Ala Lys Ile Gly Gly Ala Ile Ala Ile Gln Ser Gly Gly Ser Leu Ser 290 295 300	912
atc ctt gca ggt gaa gga tct gtt ctg ttc cag aat aac tcc caa cgc Ile Leu Ala Gly Glu Gly Ser Val Leu Phe Gln Asn Asn Ser Gln Arg 305 310 315 320	960
acc tcc gac caa ggt cta gta aga aac gcc atc tac tta gag aaa gat Thr Ser Asp Gln Gly Leu Val Arg Asn Ala Ile Tyr Leu Glu Lys Asp 325 330 335	1008
gcg att ctt tct tcc tta gaa gct cgc aac gga gat att ctt ttc ttt Ala Ile Leu Ser Ser Leu Glu Ala Arg Asn Gly Asp Ile Leu Phe Phe 340 345 350	1056
gat cct att gta caa gaa agt agc agc aaa gaa tcg cct ctt ccc tcc Asp Pro Ile Val Gln Glu Ser Ser Ser Lys Glu Ser Pro Leu Pro Ser 355 360 365	1104
tct ttg caa gcc agc gtg act tct ccc acc cca gcc acc gca tct cct Ser Leu Gln Ala Ser Val Thr Ser Pro Thr Pro Ala Thr Ala Ser Pro 370 375 380	1152
tta gtt att cag aca agt gca aac cgt tca gtg att ttc tcg agc gaa Leu Val Ile Gln Thr Ser Ala Asn Arg Ser Val Ile Phe Ser Ser Glu 385 390 395 400	1200
cgt ctt tct gaa gaa gaa aaa act cct gat aac ctc act tcc caa cta Arg Leu Ser Glu Glu Glu Lys Thr Pro Asp Asn Leu Thr Ser Gln Leu 405 410 415	1248
cag cag cct atc gaa ctg aaa tcc gga cgc tta gtt tta aaa gat cgc Gln Gln Pro Ile Glu Leu Lys Ser Gly Arg Leu Val Leu Lys Asp Arg 420 425 430	1296
gct gtc ctt tcc gcg cct tct ctc tct cag gat cct caa gct ctc ctc Ala Val Leu Ser Ala Pro Ser Leu Ser Gln Asp Pro Gln Ala Leu Leu 435 440 445	1344

FIG. 6B

**FIG. 6C**

acg acc tcc tat ata gct act gta caa gcg caa ctc gct acc tct cta	2064
Thr Thr Ser Tyr Ile Ala Thr Val Gln Ala Gln Leu Ala Thr Ser Leu	
675 680 685	
atg aaa atc tct gca cag gca tgc tac aat gaa agt atc cat gag cta	2112
Met Lys Ile Ser Ala Gln Ala Cys Tyr Asn Glu Ser Ile His Glu Leu	
690 695 700	
aaa aca aaa tat cgc tcc ttc tct aaa gaa gga ttc gga tcc tgg cat	2160
Lys Thr Lys Tyr Arg Ser Phe Ser Lys Glu Gly Phe Gly Ser Trp His	
705 710 715 720	
agc gtt gca gta tcc gga gaa gtg tgc gca tgc att cct att gta tcc	2208
Ser Val Ala Val Ser Gly Glu Val Cys Ala Ser Ile Pro Ile Val Ser	
725 730 735	
aat ggt tcc gga ctg ttc agc tcc ttc tct att ttc tct aaa ctg caa	2256
Asn Gly Ser Gly Leu Phe Ser Ser Phe Ser Ile Phe Ser Lys Leu Gln	
740 745 750	
gga ttt tca gga aca cag gac ggt ttt gag gag agt tgc gga gag att	2304
Gly Phe Ser Gly Thr Gln Asp Gly Phe Glu Glu Ser Ser Gly Glu Ile	
755 760 765	
cgg tcc ttt tct gcc agc tct ttc aga aat att tca ctt cct ata gga	2352
Arg Ser Phe Ser Ala Ser Ser Phe Arg Asn Ile Ser Leu Pro Ile Gly	
770 775 780	
ata aca ttt gaa aaa aaa tcc caa aaa aca cga acc tac tat tac ttt	2400
Ile Thr Phe Glu Lys Lys Ser Gln Lys Thr Arg Thr Tyr Tyr Tyr Phe	
785 790 795 800	
cta gga gcc tac atc caa gac ctg aaa cgt gat gtg gaa tgc gga cct	2448
Leu Gly Ala Tyr Ile Gln Asp Leu Lys Arg Asp Val Glu Ser Gly Pro	
805 810 815	
gta gtg tta ctc aaa aat gcc gtc tcc tgg gat gct cct atg gcg aac	2496
Val Val Leu Leu Lys Asn Ala Val Ser Trp Asp Ala Pro Met Ala Asn	
820 825 830	
ttg gat tca cga gcc tac atg ttc agg ctt acg aat caa aga gct cta	2544
Leu Asp Ser Arg Ala Tyr Met Phe Arg Leu Thr Asn Gln Arg Ala Leu	
835 840 845	
cac aga ctt cag acg ctg tta aat gtg tct tgt gtg ctg cgt ggg caa	2592
His Arg Leu Gln Thr Leu Leu Asn Val Ser Cys Val Leu Arg Gly Gln	
850 855 860	
agc cat agt tac tcc ctg gat ctg ggg acc act tac agg ttc	2634
Ser His Ser Tyr Ser Leu Asp Leu Gly Thr Thr Tyr Arg Phe	
865 870 875	
tag	2637

FIG. 6D

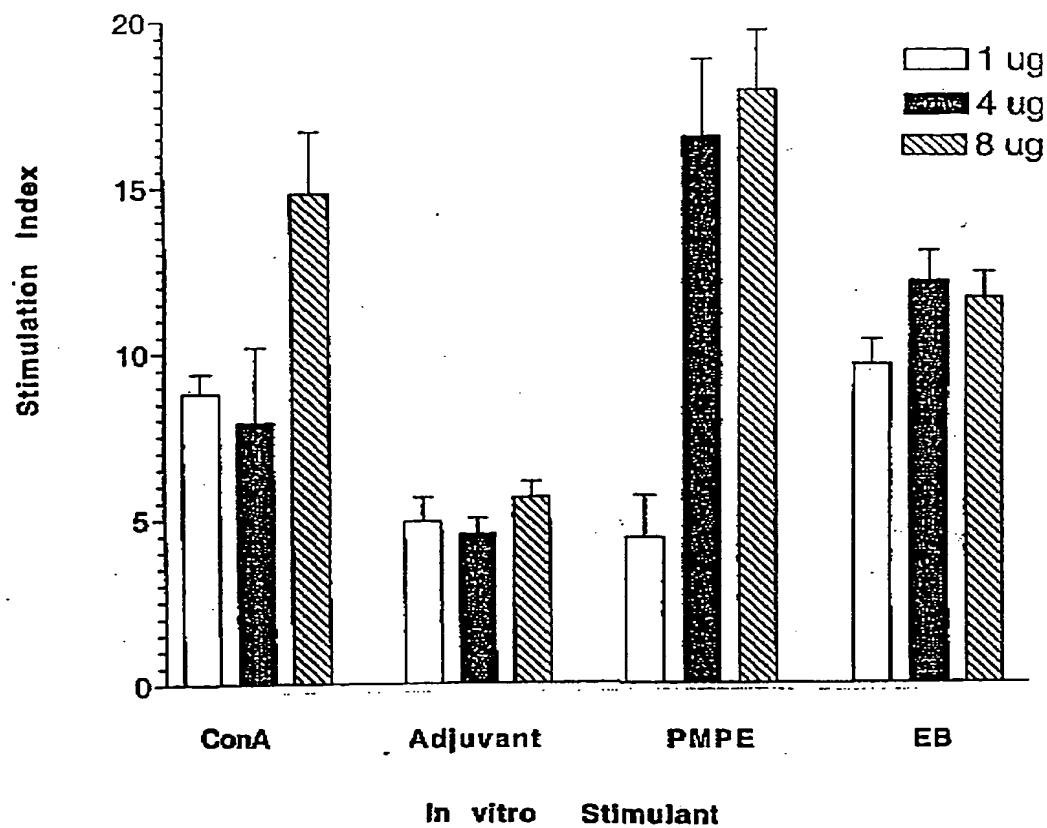


FIG. 7